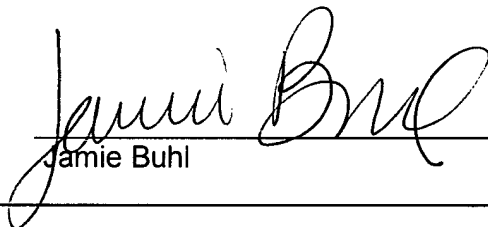


IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Haishan Zeng, et al.
Title of Invention: **APPARATUS AND METHODS RELATING TO HIGH SPEED SPECTROSCOPY AND EXCITATION-EMISSION MATRICES**
Serial No.: 10/677,632
Filing Date: October 2, 2003
Attorney Dkt. No.: 2154-3-3

Certificate of Mailing

I hereby certify that this paper is being deposited with the United States Postal Service as First Class Mail and is addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 20th day of July, 2005.



Jamie Buhl

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Commissioner:

In compliance with the duty of disclosure under 37 CFR § 1.56, Applicant submits herewith patents, publications, or other information for consideration during the examination of this application.

In accordance with 37 CFR § 1.97, the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made nor that the information cited in the statement is or is considered to be "material" to patentability as defined in 37 CFR § 1.56(b).

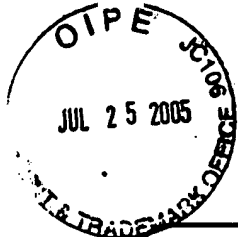
No additional costs are believed to be due in connection with the filing of this Supplemental Information Disclosure Statement. However, please charge any necessary fees in connection with the enclosed statement to our Deposit Order Account No. 07-1897.

Respectfully submitted,

GRAYBEAL JACKSON HALEY LLP

A handwritten signature in black ink, appearing to read 'Joshua King', is written over a horizontal line.

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Sheet 1 of 2

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Application Number	10/677,632
Filing Date	October 2, 2003
First Named Inventor	Haishan Zeng
Art Unit	2878
Examiner Name	TBA
Attorney Docket Number	2154-3-3

NON PATENT LITERATURE DOCUMENTS

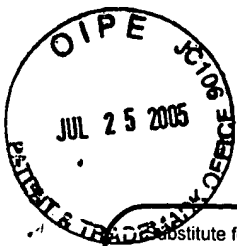
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		Alfano, R.R., et al., Fluorescence spectra from cancerous and normal human breast and lung tissue, IEEE J. of Quantum Electronics 23, 1806-1811 (1987).	
		Demos, S.G., et al., Tissue imaging for cancer detection using NIR autofluorescence, SPIE Proc. 4613: 31-34, 2002.	
		Gallas, J.M., et al., Fluorescence of melanin-dependence upon excitation wavelength and concentration. Photochem Photobiol 45(5): 595-600, 1987.	
		Gat, N., Imaging Spectroscopy Using Tunable Filters: A Review, Proc. SPIE 4056:50-64, 2000.	
		Gillies, R., et al., Fluorescence excitation spectroscopy provides information about human skin in vivo. J Invest Dermatol 2000;115(suppl4):704-707, 2000.	
		Hanlon, E.B., et al., Near-infrared fluorescence spectroscopy detects Alzheimer's disease in vitro, Photochem Photobiol 70(2): 236-242, 1999.	
		Hart, S.J., et al., A laser-induced fluorescence dual-fiber optic array detector applied to the rapid HPLC separation of polycyclic aromatic hydrocarbons, Anal Bioanal Chem 372(1):205-215, 2002.	
		Heintzelman, D.L., et al., Optimal excitation wavelengths for in vivo detection of oral neoplasia using fluorescence spectroscopy, Photochem Photobiol 72(1):103-13, 2000.	
		Huang, Z., et al., A rapid near-infrared Raman spectroscopy system for real-time in vivo skin measurements, Optics Letters 26(22):1782-84, 2001.	
		Ingrams, D.R., et al., Autofluorescence characteristics of oral mucosa, Head & Neck. 19, 27-32 (1997).	
		Kozikowski, S.D., et al., Fluorescence spectroscopy of eumelanins, IEEE J. Quantum Electronics, QE-20(12): 1379-1382, 1984.	

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		MacAulay, C., et al., Variation of fluorescence spectroscopy during the menstrual cycle, Optics Express, 10: 493-504, 2002.	
		Mahadevan, A., et al., Study of the fluorescence properties of normal and neoplastic human cervical tissue, Lasers Surg. Med. 13, 647-655 (1993).	
		Richards-Kortum, R., et al., Spectroscopic diagnosis of colonic dysplasia, Photochem Photobiol 53(6):777-86, 1991.	
		Wagnieres, G.A., et al., In vivo fluorescence spectroscopy and imaging for oncological applications, [review] Photochem Photobiol 68(5): 603-32, 1998.	
		Zangaro, R.A. et al., Rapid Multi-Excitation Fluorescence Spectroscopy System for In Vivo Tissue Diagnosis, Applied Optics 35, 5211-5219 (1996).	
		Zeng, H., et al., Spectroscopic and microscopic characteristics of human skin autofluorescence emission, Photochem Photobiol 61:639-645, 1995.	
		Zeng, H., et al., System for fast measurement of in vivo fluorescence spectra of the gastrointestinal tract at multiple excitation wavelengths. Appl. Optics 38(34):7157-7158, 1999.	
		Zhang, G., et al., Far-red and NIR spectral wing emission from tissue under 532-nm and 632-nm photo-excitation, Lasers in Life Sciences, 9:1-16, 1999.	
		Zuluaga, A., et al., Fluorescence excitation emission matrices of human tissue: a system for in vivo measurement and method of data analysis, Appl Spectrosc 53, 302-311, 1999.	

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